PASTERNACK®
THE ENGINEER'S RF SOURCE



75 Ohm MCX Jack Connector Crimp/Solder Attachment for RG179, RG187

RF Connectors Technical Data Sheet PE44300

Configuration

- MCX Jack Connector
- MIL-C-39012
- 75 Ohms
- Straight Body Geometry
- RG179, RG187 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.37:1
- Gold over Nickel Plated Beryllium Copper Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44300 75 ohm MCX jack connector with crimp/solder attachment for RG179 and RG187 is part of our full line of RF components available for same-day shipping. Our MCX jack connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.37:1.

Our 75 ohm MCX jack connector PE44300 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.37:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
High Potential Voltage at 4 and 7 MHz			700	Vrms
Corona Discharge at 70,000 feet			250	Vrms
Insulation Resistance	1,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm MCX Jack Connector Crimp/Solder Attachment for RG179, RG187 PE44300

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RF Connectors Technical Data Sheet PE44300

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 1					GHz
Insertion Loss, Max	0.1					dB

Mechanical Specifications

Size

Length	0.837 in [21.26 mm]
Width/Dia.	0.234 in [5.94 mm]
Weight	0.006 lbs [2.72 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold over Nickel 10 µin minimum

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Shock	MIL-STD-202, Method 102, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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75 Ohm MCX Jack Connector Crimp/Solder Attachment for RG179, RG187

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

75 Ohm MCX Jack Connector Crimp/Solder Attachment for RG179, RG187 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm MCX Jack Connector Crimp/Solder Attachment for RG179, RG187 PE44300

URL: https://www.pasternack.com/mcx-jack-standard-rg179-rg187-connector-pe44300-p.aspx

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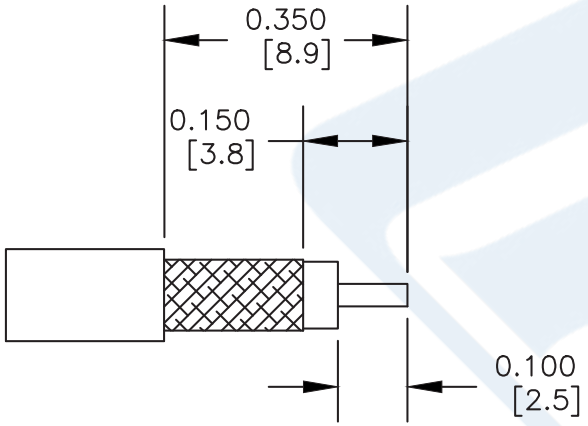
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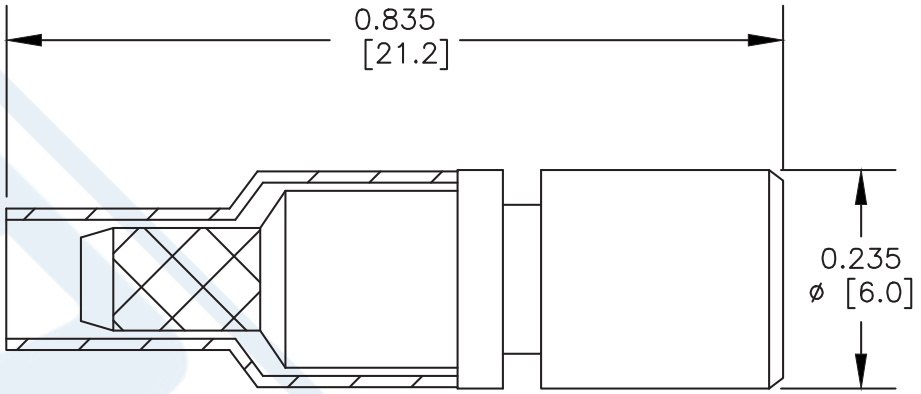
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PE44300 CAD Drawing

75 Ohm MCX Jack Connector Crimp/Solder Attachment for RG179, RG187





STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. SLIDE FERRULE ONTO CABLE AS SHOWN & TIN CENTER CONDUCTOR.
2. INSERT DIELECTRIC AND CENTER CONDUCTOR INTO BODY. SOLDER CENTER CONDUCTOR TO CONTACT THROUGH HOLE IN BODY. REMOVE EXCESS SOLDER. SLIDE FERRULE FORWARD & CRIMP.

CRIMP SIZE REQUIRED

FERRULE: .128" HEX CRIMP TOOL

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DWG TITLE

PE44300

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

FSCM NO. 53919	CAD FILE 010603	SCALE N/A	SIZE A	127

PASTERNACK®
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75 Ohm F Female Bulkhead Mount Connector Crimp/Solder Attachment for RG179, RG187, .380 inch DD Hole

RF Connectors
Technical Data Sheet

PE45504

Configuration

- F Female Connector
- 75 Ohms
- Straight Body Geometry
- RG179, RG187 Interface Type
- Crimp/Solder Attachment
- Bulkhead

Features

- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- CATV

Description

Pasternack's PE45504 75 ohm type F female bulkhead connector with crimp/solder attachment for RG179 and RG187 (.380 inch DD hole) is part of our full line of RF components available for same-day shipping. This type F bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our 75 ohm type F female bulkhead connector PE45504 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Mechanical Specifications

Size

Length	1.245 in [31.62 mm]
Width/Dia.	0.509 in [12.93 mm]
Weight	0.021 lbs [9.53 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm F Female Bulkhead Mount Connector Crimp/Solder Attachment for RG179, RG187, .380 inch DD Hole PE45504

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75 Ohm F Female Bulkhead Mount Connector Crimp/Solder Attachment for RG179, RG187, .380 inch DD Hole

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 75 Ohm F Female Bulkhead Mount Connector Crimp/Solder Attachment for RG179, RG187, .380 inch DD Hole PE45504

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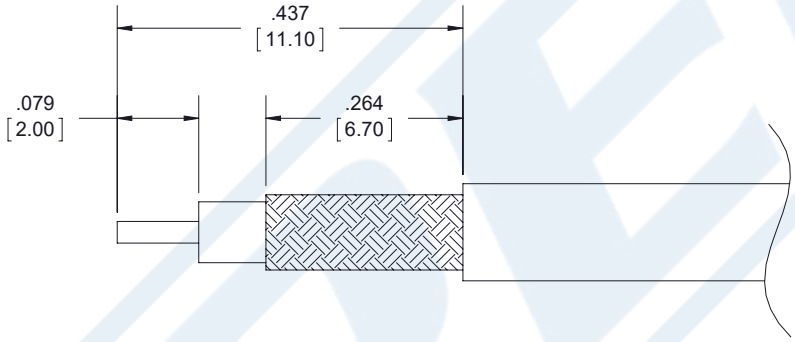
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75 Ohm F Female Bulkhead Mount Connector Crimp/Solder Attachment for RG179, RG187, .380 inch DD Hole

Assembly Instruction

*



ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. FLARE BRAID AND INSERT THE BODY UNTIL IT SEATS.
4. SLIDE FERRULE OVER BRAID AND CRIMP WITH CRIMP TOOL.

CRIMP SIZE REQUIRED

- CONTACT: SOLDER.
- FERRULE: .128 [3.25] HEX CRIMP TOOL.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 75 Ohm F Female Bulkhead Mount Connector Crimp/Solder Attachment for RG179, RG187, .380 inch DD Hole PE45504

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75 Ohm F Female Bulkhead Mount Connector Crimp/Solder Attachment for RG179, RG187, .380 inch DD Hole

RF Connectors
Technical Data Sheet

PE45504

75 Ohm F Female Bulkhead Mount Connector Crimp/Solder Attachment for RG179, RG187, .380 inch DD Hole from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm F Female Bulkhead Mount Connector Crimp/Solder Attachment for RG179, RG187, .380 inch DD Hole PE45504

URL: https://www.pasternack.com/f-female-rg179-rg187-connector-pe45504-p.aspx

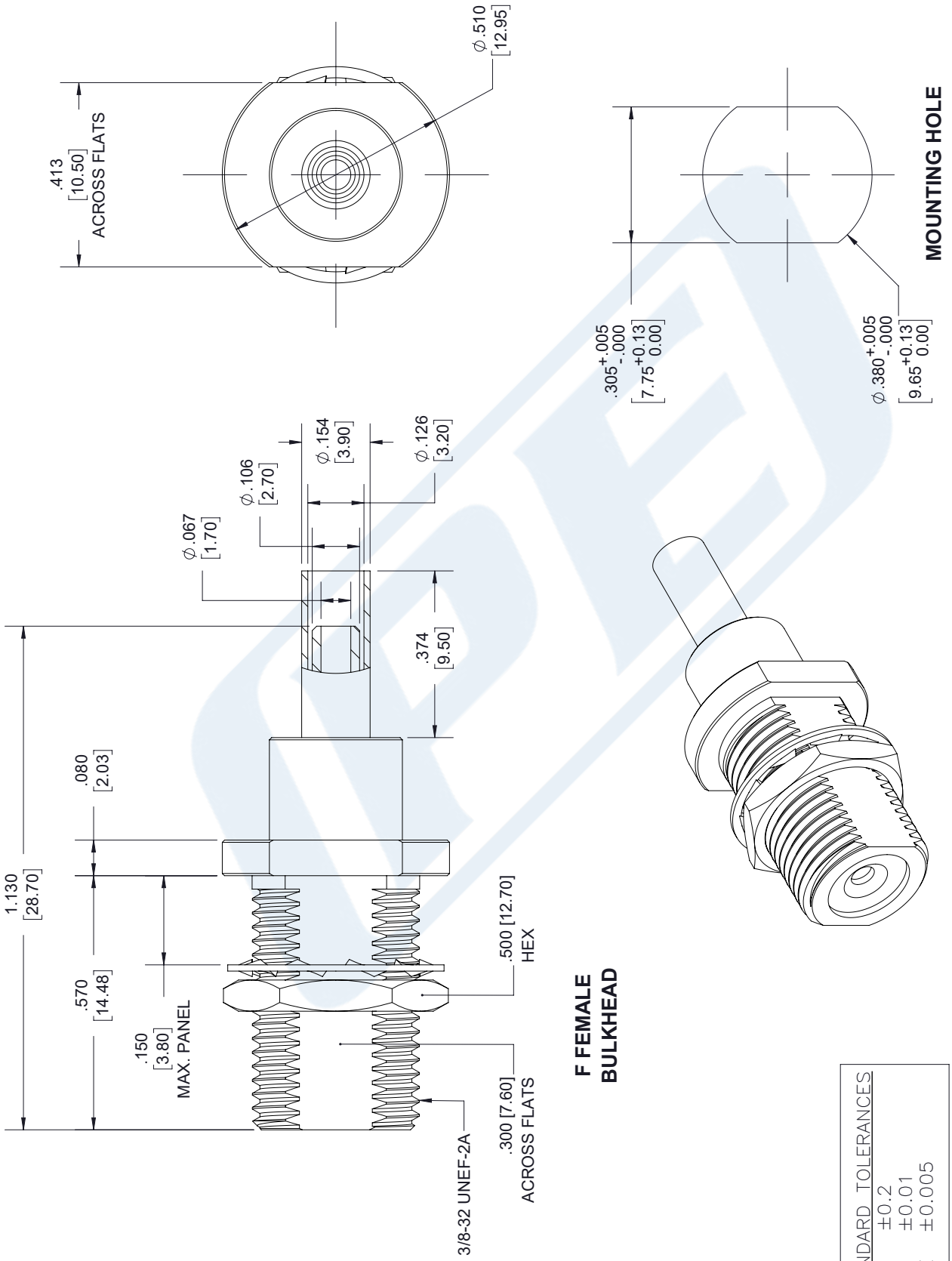
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PE45504 CAD Drawing

75 Ohm F Female Bulkhead Mount Connector Crimp/Solder Attachment for RG179, RG187, .380 inch DD Hole



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE: PE45504

CAD FILE 08/15/18 | SCALE N/A | SIZE A | 7361

CAGE CODE 53919

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PASTERNACK
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75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket

RF Cables
Technical Data Sheet

RG187A/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		75 ±7		Ohms
Velocity of Propagation		70		%
Operating Voltage (AC)			2,000	Vrms
Dielectric Withstanding Voltage (AC)			2,000	Vrms
Inner Conductor DC Resistance			245	Ohms/1000ft
Nominal Capacitance		19.5 [63.98]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Attenuation, Typ	21 68.9					dB/100ft dB/100m
Input Power (CW), Max	1.4					kWatts

Mechanical Specifications

Diameter	0.102 in [2.59 mm]
Weight	0.02 lbs/ft [0.03 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 7 Strands	0.012 in [0.3 mm]
Conductor Type	Stranded	
Dielectric	PTFE	0.063 in [1.6 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket RG187A/U

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75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket

First Shield	Silver Plated Copper Braid	0.081 in [2.06 mm]
Jacket	PTFE, White	0.102 in [2.59 mm]

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket RG187A/U

URL: https://www.pasternack.com/flexible-0.110-rg187-75-ohm-coax-cable-ptfe-jacket-rg187a-u-p.aspx

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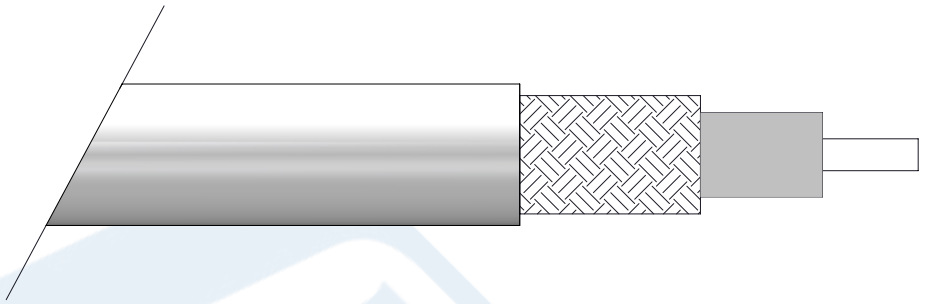
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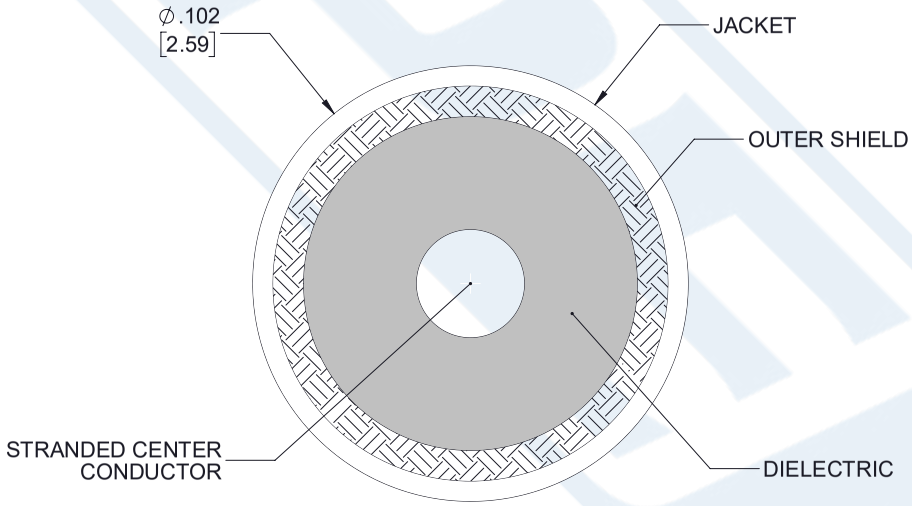
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RG187A/U CAD Drawing

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket





SECTION VIEW

STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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DWG TITLE

RG187A/U

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